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United States Department of Agriculture,

BUREAU OF PLANT INDUSTRY,

Forage-Crop Investigations,

WASHINGTON, D. C.

Adzuki Bean (*Phaseolus angularis*).

The adzuki bean is an erect, leafy, annual leguminous plant, quite similar in habit to an upright cowpea and growing from 1 to 3 feet high, according to variety and soil. It is native to southwestern Asia and is grown extensively for human food in China and Japan. In the United States this plant has not gone beyond the experimental stage, though it has been tested at various southern stations and by a few northern seedsmen for the past several seasons.

The adzuki bean, with its large number of varieties, maturing in from 100 to 150 days or more, is adapted to about the same range of territory as the soy bean. The numerous varieties are distinguished most markedly by their different times of maturity and by the color of the seeds, which may be yellow, brown, green, red, black, gray, or variously mottled. The plant possesses root tubercles in abundance and is very efficient as a nitrogen gatherer. Though tested out as a hay and green-manure plant, it does not compete with the cowpea in choking out weeds. When grown in rows, however, it produces grain abundantly, yielding from 20 to 40 bushels per acre on relatively poor soils. The entire amount of seed ripens very uniformly, so its shattering habit is not serious. The crop may be harvested readily with a mower or a bean harvester. For hay, the adzuki bean should be cut when the pods are about half grown. When grown for grain alone, the cutting may be delayed until all of the pods are matured. In thrashing, the ordinary grain separator does very satisfactory work if run about the same as with cowpeas and with blank concaves.

Seeding.—Seed should be planted in rows 24 to 36 inches apart as soon as danger of frost is past and the soil has become thoroughly warm. Planted in rows, from 15 to 20 pounds of seed per acre have been found satisfactory. Cultivation is the same as with any other row crop.

Utilization.—In Japan the adzuki bean is utilized in various ways for human food, chiefly, however, as a confection. It is used as a vegetable when sprouted and it is also boiled in soups. When ground and boiled with sugar, it is used as a sweetmeat in cakes and pastry. It is somewhat doubtful whether this bean will become popular in this country as human food. American confectioners after a few experiments should be able to put the adzuki bean on the market in various forms of sweetmeats which will please the American taste.

W. J. MORSE,
Scientific Assistant.

JANUARY 15, 1914.

THE JOURNAL OF THE

AMERICAN MEDICAL ASSOCIATION

PUBLISHED WEEKLY

CHICAGO, ILL., U.S.A.

Vol. 10, No. 1, January 1917

The American Medical Association is a non-profit corporation organized for the purpose of promoting the interests of the medical profession and the public. It was founded in 1847 and has since that time been the leading organization of the medical profession in the United States. The Association is composed of more than 50,000 members, who are physicians, surgeons, dentists, and other medical practitioners. The Association's primary concern is the advancement of the medical profession and the improvement of the medical service to the public. It does this by publishing the Journal, which is the most authoritative source of medical information in the United States. The Journal contains articles on the latest medical research, reports on the activities of the Association, and news of the medical profession. The Journal is published weekly, except during the summer months when it is published bi-weekly. The Journal is available to all members of the Association at a special rate. It is also available to the general public at a regular rate. The Journal is a valuable source of information for all medical practitioners and for the general public. It is a must-read for all who are interested in the medical profession and the medical service to the public.

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